

ABSTRACT

Electrically active devices are formed using a special
conducting material of the form $Tm-Ox$ mixed with SiO_2 where
5 the materials are immiscible. The immiscible materials are
forced together by using high energy process to form an
amorphous phase of the two materials. The amorphous
combination of the two materials is electrically conducting
but forms an effective barrier.

10387869.doc